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843.43729X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: T. NOZAWA et al
Serial No.: 10/811,973
Filed: March 30, 2004
For: SEMICONDUCTOR DEVICE
Group: 2826
Examiner: B. SANDVIK

RESPONSE TO ELECTION OF SPECIES REQUIREMENT

Commissioner for Patents
POB 1450
Alexandria, VA 22313-1450

May 23, 2005
(Monday)

Sir:

In reply to the Election of Species Requirement, dated April 22, 2005, applicants hereby elect the first embodiment disclosed in the Specification, as described on pages 5-32. It is noted, however, that this Election is with traverse, inasmuch as the applicants respectfully traverse the statement that "Currently, no claims appear to be generic" set forth in the Office Action.

More specifically, applicants respectfully submit that at least claim 1 of the present application is, in fact, generic to the four (4) listed embodiments set forth in the first paragraph on page 2 of the Election Requirement. The first embodiment teaches the use of a Schottky barrier diode (SBD) as a semiconductor element for the claimed semiconductor device. The second embodiment substitutes a PN junction type diode as the semiconductor element in place of the Schottky barrier diode. The third embodiment teaches the use of semiconductor elements other than diodes. Finally, the fourth embodiment utilizes disk-like conductive portions such as 71 and 72 in place of the external leads (e.g., 8, 9) utilized in the first embodiment.

With regard to the independent claim 1, this claim does not define a specific type of semiconductor element. Therefore, claim 1 is clearly generic to the first three embodiments since the claimed semiconductor element of claim 1 could be any one of a Schottky barrier diode, a PN junction type diode or another semiconductor element.

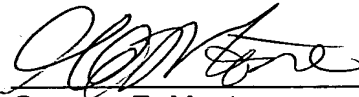
In addition, claim 1 does not define the disk-like conductive portions (e.g., 71, 72) taught by the fourth embodiment or, for that matter, the external leads (e.g., 8 and 9) used in the first embodiment. As such, claim 1 is also generic to the fourth embodiment. Therefore, in summary, it is respectfully submitted that claim 1 is generic to all of the listed four embodiments set forth in the first paragraph of page 2 of the Office Action, and reconsideration and designation of claim 1 as generic is respectfully requested.

In response to the requirement to list the claims corresponding to the elected embodiment, applicants note that all of the pending claims 1-20 can be read on the first embodiment.

If the Examiner believes that there are any other points which may be clarified or otherwise disposed of either by telephone discussion or by personal interview, the Examiner is invited to contact Applicants' undersigned attorney at the number indicated below.

To the extent necessary, applicants petition for an extension of time under 37 CFR §1.136. Please charge any shortage in the fees due in connection with the filing of this paper, to the Deposit Account of Antonelli, Terry, Stout & Kraus, LLP, Dep. Acct. No. 01-2135 (843.43729X00), and please credit any excess fees to such deposit account.

Respectfully submitted,
ANTONELLI, TERRY, STOUT & KRAUS, LLP



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